

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	8479	boundary near2 edge	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB	OR	OFF	2006/06/05 15:25
L2	1433	1 same (image\$1 or video)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB	OR	OFF	2006/06/05 15:25
L3	5	2 same (high-pass)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB	OR	OFF	2006/06/05 15:26
L4	171895	(enhanc\$4 or sharp\$5) same image\$1	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB	OR	OFF	2006/06/05 15:29
L5	618	L4 same (unsharp adj mask\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB	OR	OFF	2006/06/05 15:29
L6	8	L5 same (edge adj detect\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB	OR	OFF	2006/06/05 15:29
L7	1	"5235428".PN.	USPAT; USOCR	OR	OFF	2006/06/05 15:29
L8	1	"5212516".PN.	USPAT; USOCR	OR	OFF	2006/06/05 15:29
L9	0	("3-278284").PN.	USPAT; USOCR	OR	OFF	2006/06/05 15:29
L10	0	("3-278284").PN.	JPO	OR	OFF	2006/06/05 15:29
L11	0	("3278284").PN.	JPO	OR	OFF	2006/06/05 15:29
L12	285	heisei	JPO	OR	OFF	2006/06/05 15:29
L13	0	L12 and (high adj pass)	JPO	OR	OFF	2006/06/05 15:29
L14	0	L12 and (unsharp adj mask\$3)	JPO	OR	OFF	2006/06/05 15:29
L15	171895	(enhanc\$4 or sharp\$5) same image\$1	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB	OR	OFF	2006/06/05 15:29

## EAST Search History

L16	618	L15 same (unsharp adj mask\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB	OR	OFF	2006/06/05 15:29
L17	79	L16 same (supress\$3 or remov\$3 or attenuat\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB	OR	OFF	2006/06/05 15:29
L18	54825	L15 and contrast	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB	OR	OFF	2006/06/05 15:29
L19	25895	L18 and weigh\$4	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB	OR	OFF	2006/06/05 15:29
L20	21581	L15 same "contrast"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB	OR	OFF	2006/06/05 15:29
L21	2578	L20 same (weigh\$4 or scal\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB	OR	OFF	2006/06/05 15:29
L22	21	L21 same (edge\$2 adj detect\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB	OR	OFF	2006/06/05 15:29
L23	1	("5134667").PN.	USPAT; USOCR	OR	OFF	2006/06/05 15:29
L24	0	382/266.ccls	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB	OR	OFF	2006/06/05 15:29
L25	764	382/266.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB	OR	OFF	2006/06/05 15:29
L26	0	L25 and (enahanc\$4 adj image\$1)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB	OR	OFF	2006/06/05 15:29

## EAST Search History

L27	764	382/266.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB	OR	OFF	2006/06/05 15:29
L28	99	L25 and "unsharp"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB	OR	OFF	2006/06/05 15:29
L29	84	L28 and "edge"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB	OR	OFF	2006/06/05 15:29
L30	1246	382/254,263.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB	OR	OFF	2006/06/05 15:29
L31	764	382/266.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB	OR	OFF	2006/06/05 15:29
L32	96	L31 and (high adj pass)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB	OR	OFF	2006/06/05 15:29
L33	50	L32 and factor	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB	OR	OFF	2006/06/05 15:29
L34	17051	(enhanc\$3 with video)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB	OR	OFF	2006/06/05 15:29
L35	1406	L34 and ((boundary or edge) with (image))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB	OR	OFF	2006/06/05 15:29
L36	97	L35 and ((boundary or edge) with (edge adj pixel))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB	OR	OFF	2006/06/05 15:29
L37	764	382/266.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB	OR	OFF	2006/06/05 15:29

## EAST Search History

L38	96	L37 and (high adj pass)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB	OR	OFF	2006/06/05 15:29
L39	50	L38 and factor	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB	OR	OFF	2006/06/05 15:29
L40	0	382/266.ccls	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB	OR	OFF	2006/06/05 15:29
L41	764	382/266.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB	OR	OFF	2006/06/05 15:29
L42	0	L41 and usharp adj mask\$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB	OR	OFF	2006/06/05 15:29
L43	0	L41 and (usharp adj mask\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB	OR	OFF	2006/06/05 15:29
L44	83	L41 and (unsharp adj mask\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB	OR	OFF	2006/06/05 15:29
L45	1	("5,012,333").PN.	USPAT; USOCR	OR	OFF	2006/06/05 15:29
L46	1	("4,812,903").PN.	USPAT; USOCR	OR	OFF	2006/06/05 15:29
L47	0	("4,315,318,4,317,179").PN.	USPAT; USOCR	OR	OFF	2006/06/05 15:29
L48	1	("4,315,318").PN.	USPAT; USOCR	OR	OFF	2006/06/05 15:29
L49	1	("4,317,179").PN.	USPAT; USOCR	OR	OFF	2006/06/05 15:29
L50	0	("3-278284").PN.	JPO	OR	OFF	2006/06/05 15:29
L51	0	("3278284").PN.	JPO	OR	OFF	2006/06/05 15:29
L52	171895	(enhanc\$4 or sharp\$5) same image\$1	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB	OR	OFF	2006/06/05 15:29

## EAST Search History

L53	618	L52 same (unsharp adj mask\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB	OR	OFF	2006/06/05 15:29
L54	94	L53 and ((edge\$1 or boundar\$3 or contour\$1) near3 detect\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB	OR	OFF	2006/06/05 15:29
L55	16	L53 same ((edge\$1 or boundar\$3 or contour\$1) near3 detect\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB	OR	OFF	2006/06/05 15:29
L56	764	382/266.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB	OR	OFF	2006/06/05 15:29
L57	370	L56 and (edge\$1 or contour\$1 or boundar\$3) near3 detect\$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB	OR	OFF	2006/06/05 15:29
L58	764	382/266.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB	OR	OFF	2006/06/05 15:29
L59	370	L58 and (edge\$1 or contour\$1 or boundar\$3) near3 detect\$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB	OR	OFF	2006/06/05 15:29
L60	o	L58 same (edge\$1 or contour\$1 or boundar\$3) near3 detect\$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB	OR	OFF	2006/06/05 15:29
L61	1016	382/254.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB	OR	OFF	2006/06/05 15:29
L62	151	L61 and (edge\$1 or contour\$1 or boundar\$3) near3 detect\$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB	OR	OFF	2006/06/05 15:29
L63	4354	382/254,263,266,275,270,274,269.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB	OR	OFF	2006/06/05 15:29

## EAST Search History

L64	895	L63 and (edge\$1 or contour\$1 or boundar\$3) near\$3 detect\$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB	OR	OFF	2006/06/05 15:29
L65	67	L64 and unsharp	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB	OR	OFF	2006/06/05 15:29
L66	127	L64 and (high adj pass)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB	OR	OFF	2006/06/05 15:29
S1	143835	(enhanc\$4 or sharp\$5) same image\$1	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB	OR	OFF	2004/10/13 08:35
S2	482	S1 same (unsharp adj mask\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB	OR	OFF	2004/10/15 12:12
S3	7	S2 same (edge adj detect\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB	OR	OFF	2004/10/15 12:14
S4	1	"5235428".PN.	USPAT; USOCR	OR	OFF	2004/10/13 09:07
S5	1	"5212516".PN.	USPAT; USOCR	OR	OFF	2004/10/13 09:07
S6	0	("3-278284").PN.	USPAT; USOCR	OR	OFF	2004/10/13 09:10
S8	0	("3-278284").PN.	JPO	OR	OFF	2004/10/13 09:10
S9	0	("3278284").PN.	JPO	OR	OFF	2004/10/13 09:11
S10	252	heisei	JPO	OR	OFF	2004/10/13 09:12
S11	0	S10 and (high adj pass)	JPO	OR	OFF	2004/10/13 09:12
S12	0	S10 and (unsharp adj mask\$3)	JPO	OR	OFF	2004/10/13 09:12
S13	143835	(enhanc\$4 or sharp\$5) same image\$1	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB	OR	OFF	2004/10/13 17:17
S14	482	S13 same (unsharp adj mask\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB	OR	OFF	2004/10/13 11:11

## EAST Search History

S15	61	S14 same (supress\$3 or remov\$3 or attenuat\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB	OR	OFF	2004/10/13 11:11
S16	43266	S13 and contrast	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB	OR	OFF	2004/10/13 11:40
S17	20315	S16 and weigh\$4	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB	OR	OFF	2004/10/13 11:36
S18	17460	S13 same "contrast"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB	OR	OFF	2004/10/13 11:40
S19	2158	S18 same (weigh\$4 or scal\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB	OR	OFF	2004/10/13 11:40
S20	14	S19 same (edge\$2 adj detect\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB	OR	OFF	2004/10/13 11:41
S21	1	("5134667").PN.	USPAT; USOCR	OR	OFF	2004/10/13 11:54
S22	o	382/266.ccls	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB	OR	OFF	2004/10/13 12:02
S23	615	382/266.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB	OR	OFF	2004/10/13 12:03
S24	o	S23 and (enahanc\$4 adj image\$1)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB	OR	OFF	2004/10/13 12:03
S25	79	S23 and "unsharp"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB	OR	OFF	2004/10/13 12:04

## EAST Search History

S26	68	S25 and "edge"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB	OR	OFF	2004/10/13 12:04
S27	915	382/254,263.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB	OR	OFF	2004/10/13 17:37
S28	615	382/266.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB	OR	OFF	2004/10/13 17:37
S29	77	S28 and (high adj pass)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB	OR	OFF	2004/10/13 17:38
S30	41	S29 and factor	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB	OR	OFF	2004/10/14 09:08
S31	11515	(enhanc\$3 with video)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB	OR	OFF	2004/10/13 18:22
S32	1042	S31 and ((boundary or edge) with (image))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB	OR	OFF	2004/10/13 18:23
S33	66	S32 and ((boundary or edge) with (edge adj pixel))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB	OR	OFF	2004/10/13 18:23
S34	615	382/266.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB	OR	OFF	2004/10/14 08:33
S35	77	S34 and (high adj pass)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB	OR	OFF	2004/10/14 08:33
S36	41	S35 and factor	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB	OR	OFF	2004/10/14 08:33



## EAST Search History

S37	o	382/266.ccls	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB	OR	OFF	2004/10/14 09:09
S38	615	382/266.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB	OR	OFF	2004/10/14 10:29
S39	o	S38 and usharp adj mask\$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB	OR	OFF	2004/10/14 09:23
S40	o	S38 and (usharp adj mask\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB	OR	OFF	2004/10/14 09:23
S41	64	S38 and (unsharp adj mask\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB	OR	OFF	2004/10/14 09:36
S42	1	("5,012,333").PN.	USPAT; USOCR	OR	OFF	2004/10/14 09:38
S43	1	("4,812,903").PN.	USPAT; USOCR	OR	OFF	2004/10/14 09:44
S44	o	("4,315,318,4,317,179").PN.	USPAT; USOCR	OR	OFF	2004/10/14 09:45
S45	1	("4,315,318").PN.	USPAT; USOCR	OR	OFF	2004/10/14 09:46
S46	1	("4,317,179").PN.	USPAT; USOCR	OR	OFF	2004/10/14 09:46
S47	o	("3-278284").PN.	JPO	OR	OFF	2004/10/14 10:30
S48	o	("3278284").PN.	JPO	OR	OFF	2004/10/14 10:30
S49	144005	(enhanc\$4 or sharp\$5) same image\$1	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB	OR	OFF	2004/10/14 12:53
S50	482	S49 same (unsharp adj mask\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB	OR	OFF	2004/10/14 12:53
S51	68	S50 and ((edge\$1 or boundar\$3 or contour\$1) near\$3 detect\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB	OR	OFF	2004/10/14 12:55

## EAST Search History

S52	13	S50 same ((edge\$1 or boundar\$3 or contour\$1) near3 detect\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB	OR	OFF	2004/10/15 08:52
S53	615	382/266.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB	OR	OFF	2004/10/15 09:45
S54	294	S53 and (edge\$1 or contour\$1 or boundar\$3) near3 detect\$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB	OR	OFF	2004/10/15 09:47
S55	615	382/266.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB	OR	OFF	2004/10/15 13:05
S56	294	S55 and (edge\$1 or contour\$1 or boundar\$3) near3 detect\$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB	OR	OFF	2004/10/15 13:05
S57	0	S55 same (edge\$1 or contour\$1 or boundar\$3) near3 detect\$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB	OR	OFF	2004/10/15 12:13
S58	197	S56 and (edge adj detect\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB	OR	OFF	2004/10/15 12:14
S59	718	382/254.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB	OR	OFF	2004/10/15 13:06
S60	111	S59 and (edge\$1 or contour\$1 or boundar\$3) near3 detect\$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB	OR	OFF	2004/10/15 13:06
S61	3360	382/254,263,266,275,270,274,269.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB	OR	OFF	2004/10/15 13:06
S62	692	S61 and (edge\$1 or contour\$1 or boundar\$3) near3 detect\$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB	OR	OFF	2004/10/15 13:07

## EAST Search History

S63	50	S62 and unsharp	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB	OR	OFF	2004/10/15 13:08
S64	102	S62 and (high adj pass)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB	OR	OFF	2004/10/15 13:08